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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Serial No.	Filed	Title	Assignment Recorded at Reel/Frame
09/149,874	08 Sep 1998	METHODS AND APPARATUS FOR TREATING VASCULAR OCCLUSIONS	011594/0597
09/443,924	19 Nov 1999	METHODS AND APPARATUS FOR TREATING VASCULAR OCCLUSIONS	011082/0947
09/538,850	28 Mar 2000	METHODS AND APPARATUS FOR TREATING VASCULAR OCCLUSIONS	011309/0338
09/538,441	29 Mar 2000	METHODS AND APPARATUS FOR TREATING VASCULAR OCCLUSIONS	011301/0764
09/557,379	25 Apr 2000	METHODS AND APPARATUS FOR TREATING VASCULAR OCCLUSIONS	
09/768,376	22 Jan 2001	METHOD AND APPARATUS FOR CROSSING INTRAVASCULAR OCCLUSIONS	011498/0128
09/812,355	19 Mar 2001	INSTRUMENT SHAFT	011673/0687
09/981,498	16 Oct 2001	FLEXIBLE INSTRUMENT SHAFT	012331/0186
09/728,780	30 Nov 2000	METHODS AND APPARATUS FOR CROSSING VASCULAR OCCLUSIONS	011336/0060
09/765,777	19 Jan 2001	METHODS AND APPARATUS FOR CROSSING TOTAL OCCLUSIONS IN BLOOD VESSELS	011504/0816
09/835,043	13 Apr 2001	METHODS AND APPARATUS FOR TREATING VASCULAR OCCLUSIONS	011739/0217
10/074,546	12 Feb 2002	METHOD AND APPARATUS FOR MICRO-DISSECTION OF VASCULAR OCCLUSIONS	
09/981,526	16 Oct 2001	CATHETER	012328/0420

60/329,936	17 Oct 2001	SWITCHBACK CATHETER SYSTEM USING VARIOUS VISUALIZATION (FLUOROSCOPIC, CVUS, OCT, SPECTRAL), AND VARIOUS RE-ENTRY (VACUUM, RF, LASER, MECHANICAL) SUBSYSTEMS AND METHODS	
60/350,483	13 Nov 2001	CATHETER SYSTEM HAVING VARIOUS VISUALIZATION (FLUOROSCOPIC, IVUS, OCT, SPECTRAL), AND RE-ENTRY (VACUUM, RF, LASER, MECHANICAL, SPECIALIZED GUIDE WIRE) SYSTEMS AND METHODS	012704/0835
10/010,410	05 Dec 2001	CATHETER SYSTEM FOR VASCULAR RE-ENTRY FROM A SUB-INTIMAL SPACE	012771/0232

**Power of Attorney by Assignee and Certification**  
**Under 37 CFR §3.73(b)**

Assistant Commissioner for Patents  
 Washington, D.C. 20231

Sir:

I, the undersigned, acting on behalf of the Assignee of the entire right, title and interest in the above-referenced patent applications, hereby revoke all prior powers of attorney for said applications and appoint the practitioners at Customer Number 30554, the Customer Number of Shemwell & Gregory LLP, as my/our attorney(s) or agent(s) to prosecute said applications, and to transact all business in the United States Patent and Trademark Office connected therewith. This appointment is to the exclusion of the inventor(s) and their attorney(s) and agent(s) in accordance with the provisions of 37 CFR 3.71.

Effective immediately, please direct all further communications in the above-identified patent application to the following address:

**Shemwell & Gregory LLP**  
**4880 Stevens Creek Blvd., Ste. 201**  
**San Jose, CA 95129**

**Telephone: (408) 236-6640**  
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**Customer No. 30554**

In accordance with 37 CFR 3.73(b), I hereby certify that I am empowered to act on behalf of the Assignee. To the best of my knowledge and belief, title is in the

Assignee, as evidenced by the assignments recorded in the Patent and Trademark Office at the above-indicated reel/frame locations or, if not indicated above, by the assignment documents attached hereto.

I further declare that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, USC §1001 and that such willful false statements may jeopardize the validity of the this application or any patent resulting therefrom.

ASSIGNEE: LuMend, Inc.

Signature: 

Typed Name: Kurt D. Sparks

Title: Vice President, Research & Development

Date: July 8, 2002

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